

mim 0420 03CD

OIPE

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 1/14/2002

Edited by: AV (STIC sta

Serial Number: 10/016,656

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: # 6
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filenam at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/016,656

DATE: 01/14/2002  
TIME: 09:55:19

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\01112002\J016656.raw

4 <110> APPLICANT: Allen, Keith D.  
5 Matthews, William  
6 Moore, Mark  
8 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING GPRC5B-LIKE  
9 GENE DISRUPTIONS  
11 <130> FILE REFERENCE: R-390  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/016,656  
C--> 14 <141> CURRENT FILING DATE: 2001-12-12  
16 <150> PRIOR APPLICATION NUMBER: US 60/256,199  
17 <151> PRIOR FILING DATE: 2000-12-13  
19 <150> PRIOR APPLICATION NUMBER: US 60/280,359  
20 <151> PRIOR FILING DATE: 2001-03-29  
22 <160> NUMBER OF SEQ ID NOS: 4  
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
26 <210> SEQ ID NO: 1  
27 <211> LENGTH: 2870  
28 <212> TYPE: DNA  
29 <213> ORGANISM: Homo sapiens  
31 <400> SEQUENCE: 1  
32 aggtcgcagg cgggcgtgctg tggagcgggg gccgcggccg cgccgcagag atgtgaactcg 60  
33 ggccgaaggc cagctggagc gtcggcgctg cggggccgcg ggggtcgaat gttcgtggca 120  
34 tcagagagaa agatgagagc tcaccagggtg ctcaccttcc tctctgtctt cgtgatcacc 180  
35 tcggtggcct ctgaaaacgc cagcacatcc cgaggctgtg ggctggacct cctccctcag 240  
36 tacgtgtccc tgtgcgacct ggacgccatc tggggcattg tgggtggaggc ggtggccggg 300  
37 gcgggcgccc tgatcacact gctcctgatg ctcacctccc tgggtgcggct gcccttcac 360  
38 aaggagaagg agaagaagag ccctgtgggc ctccacttcc tgttccctcc ggggacctg 420  
39 ggccctcttg ggtgacgtt tgcccttcac atccaggagg acgagaccat ctgctctgtc 480  
40 cgccgcttcc tctggggcgt cctctttgct ctctgcttct cctgcctgct gagccaggca 540  
41 tggcgcgctg ggaggtggt gcggcatggc acgggccccg cgggctggca gctggtgggc 600  
42 ctggcgctgt gctgatgct ggtgcaagtc atcatcgctg tggagtggct ggtgctcacc 660  
43 gtgctgcgtg acacaaggcc agcctgcgcc tacgagccca tggactttgt gatggccctc 720  
44 atctacgaca tgggtactgt tgtggtcacc ctggggctgg ccctcttcac tctgtgcggc 780  
45 aagttcaaga ggtggaagct gaacggggcc ttctctctca tcacagcctt cctctctgtg 840  
46 ctcatctggg tggcctggat gaccatgtac ctcttcggca atgtcaagct gcagcagggg 900  
47 gatgcctgga acgacccac cttggccatc acgctggcgg ccagcggctg ggtcttctgc 960  
48 atcttccacg ccatccctga gatccactgc acccttctgc cagccctgca ggagaacacg 1020  
49 cccaactact tcgacacgtc gcagcccagg atgcgggaga cggccttcga ggaggactg 1080  
50 cagctgccgc gggcctatat ggagaacaag gccttctcca tggatgaaca caatgcagct 1140  
51 ctccgaacag caggatttcc caacggcagc ttgggaaaaa gaccagtggt cagcttgggg 1200  
52 aaaagaccca cgcctccgtt tagaagcaac gtgtatcagc caactgagat ggccgtcgtg 1260  
53 ctcaacggtg ggaccatccc aactgctccg ccaagtcaca caggaagaca cctttggtga 1320  
54 aagactttaa gttccagaga atcagaattt ctcttaccga tttgcctccc tggctgtgtc 1380  
55 tttcttgagg gagaaatcgg taacagttgc cgaaccaggc cgctcaccag ccaggaaatt 1440  
56 tggaaatcct agccaagggg atttgcgtgt aatgtgaaca ctgacgaact gaaaagctaa 1500  
57 caccgaactg ccgcccctcc cctgccacac acacagacac gtaataccag accaacctca 1560  
58 atccccgcaa actaaagcaa agctaattgc aaatagtatt aggtcactg gaaaatgtgg 1620  
59 ctgggaagac tgtttcatcc tctgggggta gaacagaacc aaattcacag ctggtggggc 1680

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60 agactggtgt tgggtggagg tggggggctc ccactcttat cacctctccc cagcaagtgc 1740
61 tggacccag gtagcctctt ggagatgacc gttgcgttga ggacaaatgg ggactttgcc 1800
62 accggcttgc ctggtggttt gcacatttca ggggggtcag gagagttaag gaggttgtgg 1860
63 gtgggattcc aaggtgaggg ccaactgaat cgtgggggtga gctttatagc cagtagaggt 1920
64 ggagggaccc tggcatgtgc caaagaagag gccctctggg tgatgaagtg accatcacat 1980
65 ttggaaaagt atcaaccact gttccttcta tggggctctt gctctaagt ctatggtgag 2040
66 aacacaggcc cgcgcccttc cctttagtag ccatagaaat attctggctt ggggcagcag 2100
67 tcccttcttc ccttgatcat ctgcacctgt tcctacactt acgggtgtat ctccaaatcc 2160
68 tctcccaatt ttattccctt attcatttca agagctccaa tgggggtctcc agctgaaagc 2220
69 ccctccggga ggcaggttgg aaggcaggca ccacggcagg ttttccgcga tgatgtcacc 2280
70 tagcagggtc tcaggggttc ccactaggat gcagagatga cctctcgctg cctcacaagc 2340
71 agtgacacct cgggtccttt ccgttgctat ggtgaaaatt cctggatgga atggatcaca 2400
72 tgagggtttc ttgttgcttt tggagggtgt gggggatatt ttgttttggg ttttctgcag 2460
73 gttccatgaa aacagccctt ttccaagccc attgtttctg tcatggtttc catctgtcct 2520
74 gagcaagtca ttcctttgtt atttagcatt tcgaacatct cggccattca aagcccccat 2580
75 gttctctgca ctgtttggcc agcataacct ctagcatcga ttcaaagcag agttttaacc 2640
76 tgacggcatg gaatgtataa atgagggtgg gtccttctgc agatactcta atcactacat 2700
77 tgctttttct ataaaactac ccataagcct ttaaccttta aagaaaaatg aaaaaggtta 2760
78 gtgtttgggg gccgggggag gactgaccgc ttcataagcc agtacgtctg agctgagtat 2820
79 gtttcaataa accttttgat atttctcaaa aaaaaaaaaa aaaaaaaaaa 2870

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81 <210> SEQ ID NO: 2

82 <211> LENGTH: 403

83 <212> TYPE: PRT

84 <213> ORGANISM: Homo sapiens

86 <400> SEQUENCE: 2

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87 Met Phe Val Ala Ser Glu Arg Lys Met Arg Ala His Gln Val Leu Thr
88 1 5 10 15
89 Phe Leu Leu Leu Phe Val Ile Thr Ser Val Ala Ser Glu Asn Ala Ser
90 20 25 30
91 Thr Ser Arg Gly Cys Gly Leu Asp Leu Leu Pro Gln Tyr Val Ser Leu
92 35 40 45
93 Cys Asp Leu Asp Ala Ile Trp Gly Ile Val Val Glu Ala Val Ala Gly
94 50 55 60
95 Ala Gly Ala Leu Ile Thr Leu Leu Leu Met Leu Ile Leu Leu Val Arg
96 65 70 75 80
97 Leu Pro Phe Ile Lys Glu Lys Glu Lys Lys Ser Pro Val Gly Leu His
98 85 90 95
99 Phe Leu Phe Leu Leu Gly Thr Leu Gly Leu Phe Gly Leu Thr Phe Ala
100 100 105 110
101 Phe Ile Ile Gln Glu Asp Glu Thr Ile Cys Ser Val Arg Arg Phe Leu
102 115 120 125
103 Trp Gly Val Leu Phe Ala Leu Cys Phe Ser Cys Leu Leu Ser Gln Ala
104 130 135 140
105 Trp Arg Val Arg Arg Leu Val Arg His Gly Thr Gly Pro Ala Gly Trp
106 145 150 155 160
107 Gln Leu Val Gly Leu Ala Leu Cys Leu Met Leu Val Gln Val Ile Ile
108 165 170 175
109 Ala Val Glu Trp Leu Val Leu Thr Val Leu Arg Asp Thr Arg Pro Ala
110 180 185 190

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111 Cys Ala Tyr Glu Pro Met Asp Phe Val Met Ala Leu Ile Tyr Asp Met
112      195      200      205
113 Val Leu Leu Val Val Thr Leu Gly Leu Ala Leu Phe Thr Leu Cys Gly
114      210      215      220
115 Lys Phe Lys Arg Trp Lys Leu Asn Gly Ala Phe Leu Leu Ile Thr Ala
116 225      230      235      240
117 Phe Leu Ser Val Leu Ile Trp Val Ala Trp Met Thr Met Tyr Leu Phe
118      245      250      255
119 Gly Asn Val Lys Leu Gln Gln Gly Asp Ala Trp Asn Asp Pro Thr Leu
120      260      265      270
121 Ala Ile Thr Leu Ala Ala Ser Gly Trp Val Phe Val Ile Phe His Ala
122      275      280      285
123 Ile Pro Glu Ile His Cys Thr Leu Leu Pro Ala Leu Gln Glu Asn Thr
124      290      295      300
125 Pro Asn Tyr Phe Asp Thr Ser Gln Pro Arg Met Arg Glu Thr Ala Phe
126 305      310      315      320
127 Glu Glu Asp Val Gln Leu Pro Arg Ala Tyr Met Glu Asn Lys Ala Phe
128      325      330      335
129 Ser Met Asp Glu His Asn Ala Ala Leu Arg Thr Ala Gly Phe Pro Asn
130      340      345      350
131 Gly Ser Leu Gly Lys Arg Pro Ser Gly Ser Leu Gly Lys Arg Pro Ser
132      355      360      365
133 Ala Pro Phe Arg Ser Asn Val Tyr Gln Pro Thr Glu Met Ala Val Val
134      370      375      380
135 Leu Asn Gly Gly Thr Ile Pro Thr Ala Pro Pro Ser His Thr Gly Arg
136 385      390      395      400
137 His Leu Trp

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141 <210> SEQ ID NO: 3

142 <211> LENGTH: 200

143 <212> TYPE: DNA

144 <213> ORGANISM: Artificial Sequence

146 <220> FEATURE:

147 <223> OTHER INFORMATION: Targeting Vector

149 <400> SEQUENCE: 3

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150 tgatgctcat tctcctagtg agactaccct tcatcaagga caaggaaagg aagcggcctg 60
151 tgtgcctcca tttcctcttc ctgctgggga ccctgggcct ctttggcctg acgtttgcct 120
152 tcatcatcca gatggacgag acaatctgct ccatccgacg cttcctctgg ggtgtcctct 180
153 tcgcgctctg cttttccgct

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155 <210> SEQ ID NO: 4

156 <211> LENGTH: 200

157 <212> TYPE: DNA

158 <213> ORGANISM: Artificial Sequence

160 <220> FEATURE:

161 <223> OTHER INFORMATION: Targeting Vector

163 <400> SEQUENCE: 4

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164 gtgagcctgg cactgtgcct gatgctggtg caggtcatca ttgccactga gtggctggtg 60
165 ctgactgtgc tgcgtgacac gaagccagcc tgcgcctacg agcccatgga ttttgtgatg 120
166 gcgctcatct acgacatggt gctgctggcc atcacctgg cccagtcctt cttcacgctg 180
167 tgtggcaagt tcaaacggtg

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VERIFICATION SUMMARY

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01112002\J016656.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date